SET A

BACHELOR OF MEDICAL LABORATORY TECHNOLOGY SECOND SEMESTER BIOCHEMISTRY II BMLT – 203

JUSE OMR SHEET FOR OBJECTIVE PARTI

Duration: 3 hrs.

(Objective)

Time: 30 min.

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Choose the correct answer from the following:

- Marks: 20
- 1×20=20

Full Marks: 70

- 1. RNA is:
 - a. Ribonucleic acid
 - c. Both a and b

- b. Deoxyribonucleic acid
- d. None of the above

- 2. Water is:
 - a. Neutral and alkali
 - c. Base

- b. Acid
- d. Neutral
- 3. To produce a product, an enzyme act on:
 - a. enzyme

b. substrate

c. Both of the above

- d. None of the above
- 4. In enzymic reaction, substance which speeds reaction is:
 - a. Substrate

b. Catalyst

c. Both of the above

d. None of the above

- 5. pH of water is:
 - a. 8

1.

c. 10

- d. None of the above
- 6. Double helical structure of DNA was shown by:
 - a. Watson

Calal

c. Both of the above

d. None of the above

- 7. Polymers of nucleotide is:
 - a. DNA

b. RNA

c. Both of the above

d. None of the above

- 8. Sodium hydroxide is:
 - a. Base

b. Acid

c. Neutral

d. None of the above

b. Cytosine of the above d. None of the above	c. Both of the above d. None of the above
der waals force b. Hydrogen Bond	
vrasia b. Lembart	
eus b. Mitochondria	
Г 202 b. BMLT 302	District the same
m bicarbonate b. Calcium carbonate	
b. Different	0.1
oside b. nucleotide	
genous base, Phosphoric acid, sugar b. Pentose sugar	Those sugar
three types namely A and rRNA b. rRNA and tRNA	RNA are three types namely b. rRNA and tRNA b. rRNA and tRNA
nn Physiologist b. Kuhne	
b. Colorimeter	

$\left(\underline{\text{Descriptive}} \right)$

Time: 2 hrs. 30 min. Marks: 50

[Answer question no.1 & any four (4) from the rest]

1.	Define Enzyme, Nucleoside and Nucleotide. Write the difference between competitive and non competitive inhibitor. Draw a structure of GMP.	10
2.	Define acid, base and salt and give classification with examples. Also define electrolyte with a diagram for preparation in a laboratory.	10
3.	Write about colorimeter and its principle. Also define water balance and water output.	10
4.	Write about pentose sugar and draw a diagram with examples. Draw the structure of pentose sugar of ribose and deoxyribose.	10
5.	Write the difference between DNA and RNA. Draw a structure of double helical structure of DNA,	10
6.	What is enzyme and coenzyme. Give the classification of enzyme with examples.	10
7.	Write about enzyme substrate complex with a diagram. Give the properties of enzyme.	10
8.	Give the properties of water and explain the chemical structure water with a diagram .	10

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